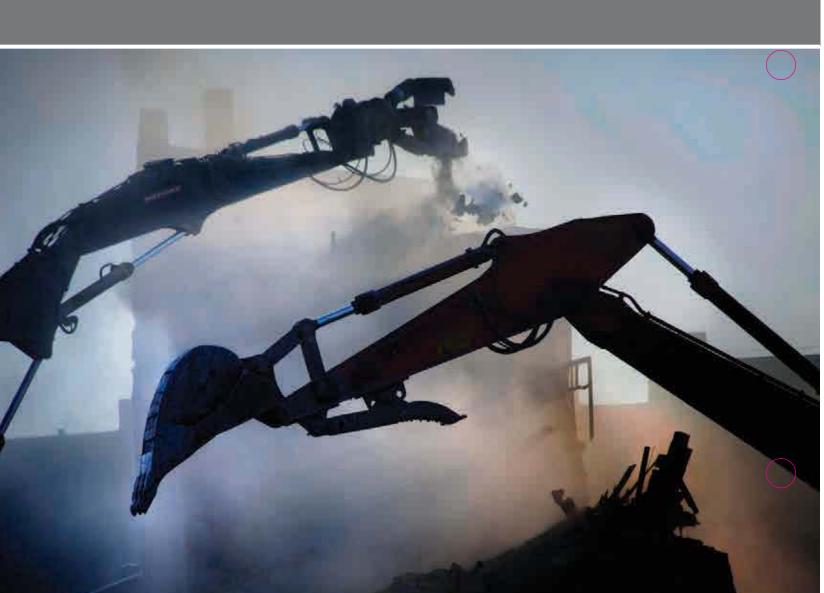


Hydraulics Brochure

Hydraulic Hose, Fittings & Equipment



Continental WORLDWIDE. WORLD-CLASS. WORLD-CHANGING.



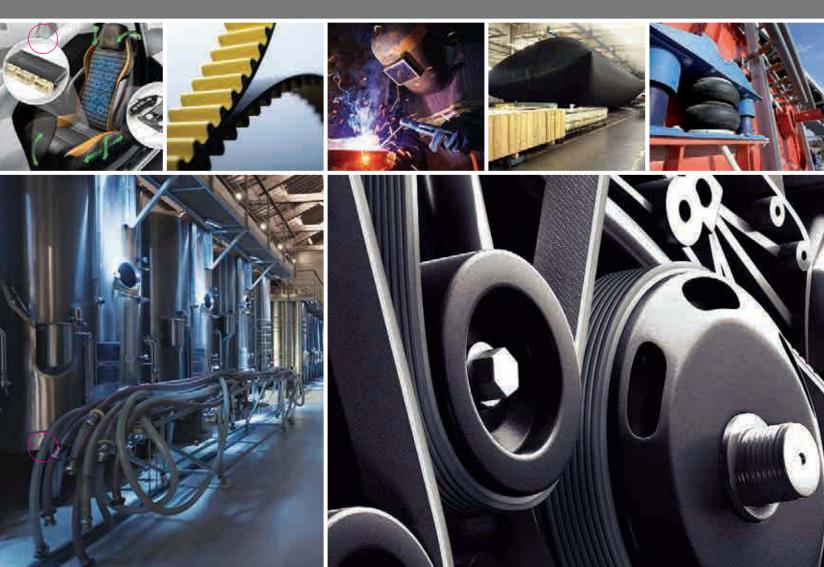


Continental is a world leader in industrial rubber and plastic products and has the largest global footprint of any rubber products manufacturer.

Our knowledge and expertise allow us to deliver the most innovative and highest-quality products on the market. Plus, our extensive problem-solving experience across multiple industries and applications enables us to share innovations over our entire product offering. Which means we can deliver unexpected solutions and advanced improvements in situations where others can't.

We push the boundaries of what's possible, and we're constantly solving tomorrow's most challenging problems—today and every day.

It's Why We're Your Global Partner of Choice for Industrial Fluid Solutions.













Key Products EXCEEDING HYDRAULIC HOSE STANDARDS

Continental hydraulic hose and fittings exceed your demands in the harshest environments. From construction, oil and gas, mining and manufacturing to transportation, our designers and engineers constantly bring new innovations to the field.

Extended Life™ XR16SC High-Pressure Hose

When the job requires tight bends, flexibility and abrasion resistance, this high-pressure hydraulic hose steps up to the task. Using a nitrile inner tube, two high-tensile steel wire braids of reinforcement and the Extended Life $^{\text{TM}}$ extra abrasion-resistant cover, it can handle a system working pressure up to 5,800 psi (31 MPa).

- NEW large bore sizes now available (-20, -24 & -32)
- All XR16SC sizes use B2 series fittings

KEY FEATURES



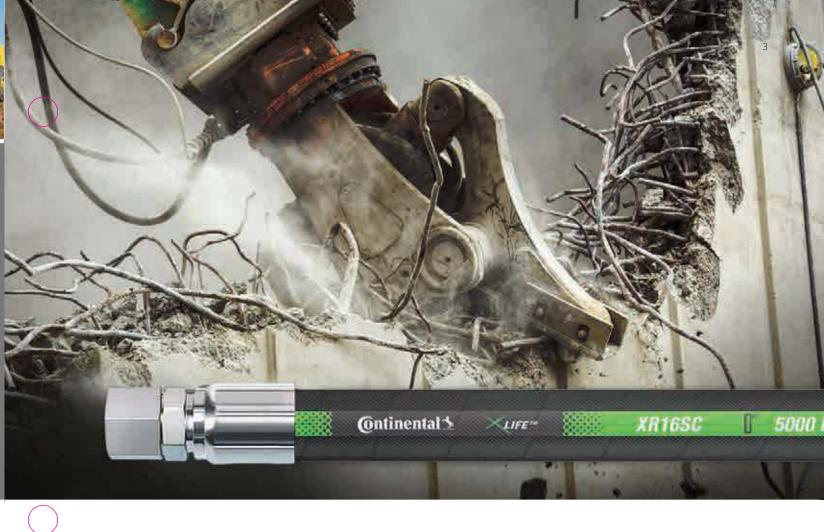




Outer cover with Extended Life™ extra abrasion-, oil- and weather-resistant synthetic rubber. Two-wire braided construction of high-tensile steel wire.

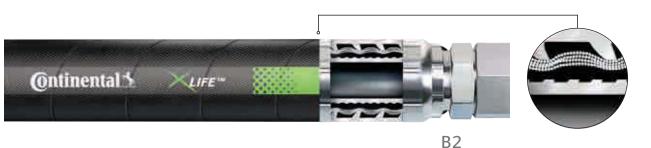
Oil-resistant NBR (nitrile) inner tube.





STAY CONNECTED UNDER THE HIGHEST PRESSURES

Continental fittings are constructed from a single piece of steel without brazed or welded joints to provide ultimate protection against leaks and potential leak paths. With full-length crimps and a low-profile design that will last longer, the interlocking bite-to-wire technology delivers maximum coupling retention for safer assembly and reliability under the toughest pressure — no internal or external skive required.



Full-length crimp offers maximum coupling retention for a safe and longer-lasting assembly.

Our bite-to-wire fittings penetrate the cover with a powerful bite into the wire reinforcement, resulting in even hose compression and maximum integrity.



Key Products

Constant Pressure Spiral Hose

Our Continental Constant Pressure Spiral Hydraulic Hose provides you with the superior quality and reliability you need in the toughest conditions. Our Extended Life™ high abrasion-resistant cover, helps minimize down time; the half bend radius allows routing in tight spaces which can reduce hose length requirements. The constant pressure performance across all sizes aids in selecting the right hose for the application; while our simplified fittings and color-coded system are faster, safer and more cost effective. When the pressure is on, you want Continental there.

KEY FEATURES



Made for constant pressure



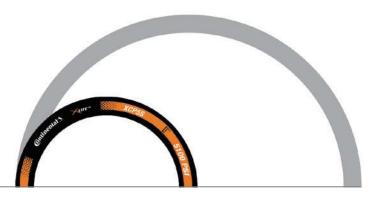
1/2 Bend

STAY FLEXIBLE IN EVEN THE TIGHTEST SITUATIONS

Flexibility plays a major role in your hydraulic hose operation and efficiency. With a bend radius up to 1/2 that of SAE conventional spiral hose standards, our hose is extremely flexible, easier to route and reduces the chance of bending too tightly. This helps provide increased hose savings and a reduction of shaped hose ends while equipping you with a safer, more cost-effective way to keep you moving throughout the day.

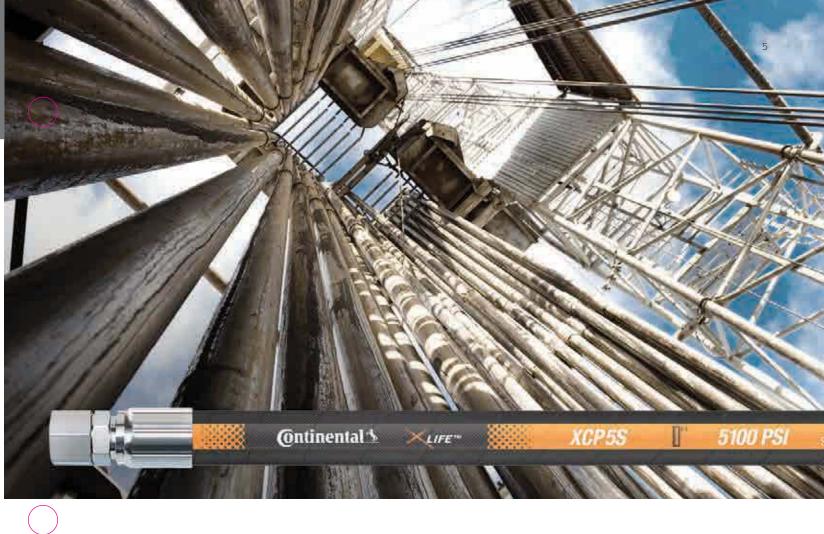
Bend Radius Comparison vs. SAE Standard

Not only does our hose provide a reduced bend radius, but the less-bulky inner tube and outer wall construction requires less force to bend for a more manageable routing process. This results in reduced installer fatigue and faster installation times overall.



Continental Constant Pressure Hose is up to 1/2 SAE bend radius specification.





STAY UP, OPERATIONAL AND SAFER ALL DAY.

Our color-coding system is designed specifically for our hose and provides a safe and user-friendly replacement process. Quickly recognize which colors align to the different hose pressures to avoid injury and ensure you install the correct hose with confidence.



Constant Pressure Spiral Hose are designed to be easily identifiable by pressure rating for safe replacement.





Key Products

Arctic Hose

High-pressure hydraulic hose used in construction, forestry, surface mining, oil and gas, waste handling, utilities and other applications where lower temperature can impact performance.

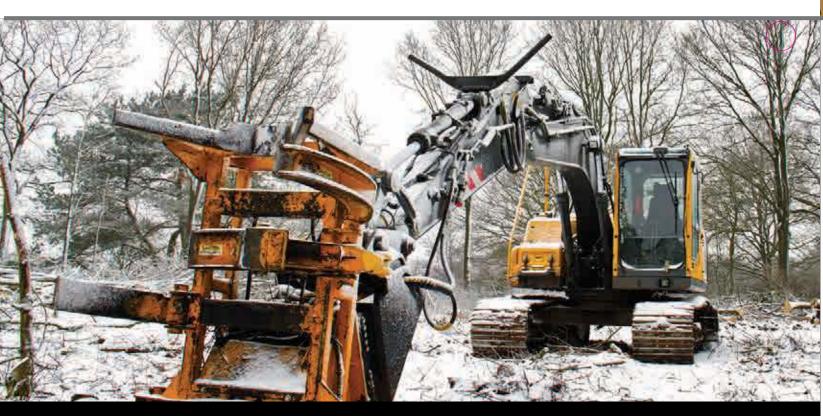
KEY FEATURES



Handles low temperature



B2 - Bite-to-Wire fittings across the entire line (1/4" to 2")



NEW LOW TEMP HOSE RATED TO -70°F







CrimplQ™ Controller

Continental's CrimplQ™ Controller is powered by Continental Fluid Solutions technology, which provides direct access to all crimping features and information. It supports a user-friendly interface to guide new and advanced users through the crimping process quickly and easily.

- WiFi-enabled for support, updates, reporting and cloud connectivity

See page 21 for more information.

PC440i Production Crimper

The PC440i Production Crimper Controller can store up to 50 dies and 150 crimp settings, and its special pressure transducer monitors crimping effort, eliminating trial-and-error crimping.

KEY FEATURES

7.5 HP power source

High speed pump

Capable of crimping up to 2" 6-spiral Hydraulic and 4" Industrial Hose

Automatically convert inches to millimeters and vice-versa so that no calculation is ever required.



Mobile Services GET THE MOST UP-TO-DATE SPECIFICATIONS

The **MyCrimp™** application provides users with up-to-date specifications to properly crimp Continental hydraulic hose and fittings. Users can search by hose style, coupling style, hose size and crimper. The application contains all the information required to properly set up and crimp the desired hose and fitting.







The new app features the same data you're accustomed to seeing, but now at your fingertips. And never wonder again if it is the most up-to-date version.

Search the app store for: MyCrimp/Contitech

Download today for free!



INNOVATIVE DISTRIBUTOR SOLUTIONS

At Continental, we're relentless in our drive to move business forward in revolutionary ways. That's why we developed Conti Fluid Solutions, part of a global vision to find and create connections allowing us to develop unmatched, often custom, solutions.



INDUSTRIAL HOSE VIRTUAL CATALOG



HOSE SELECT



COMPETITIVE ADVANTAGE



HYDRAULICS VIRTUAL CATALOG



BIN LABEL



We take innovation beyond the limits of today's technology and bring tomorrow closer. Access cutting-edge intel and insight, and go beyond anything you've ever imagined. Register today for Continental Distributor access at **www.contifluidsolutions.com**.



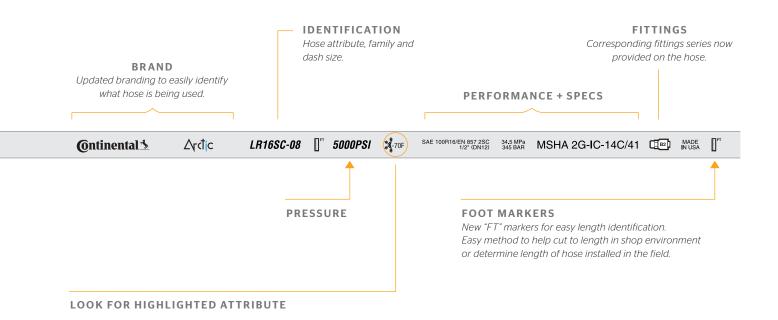
Hydraulic Hose Line

BIGGER, BOLDER, SIMPLER.

Our hydraulic hose laylines have been updated to include the most significant information about the hose, on the hose. Special icons make it quicker and easier to identify a hose's length, corresponding fittings and attributes. To top it off, new logos give more of an edge to our branding.



How to Read Our Layline





NEW ATTRIBUTE INDICATORS FOR KEY FEATURES



Extended Life™ Cover



Constant Pressure



ARMORCOAT™ Resistance



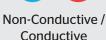


High / Low Temperature



Flame Resistance







Ultra-Flexible



1/2 Bend Radius



EXTENDED LIFE™COVER



XR16SC **SAE 100R16** EN 857 2SC

> High-pressure applications with tight bends



ID 1/4" - 2"



XCP3

SAE 100R17 > 1- or 2-braid hose

> High-pressure applications requiring superior abrasion resistance





ID 1/4" - 1"



XCP4

SAE 100R19 ISO 11237

- > High-pressure applications
- > Excellent impulse performance



ID 1/4" - 3/4"



XCP3S

SAE 100R12 **Constant Pressure**

- > 4- or 6-spiral hose
- > Very high-pressure applications









ID 1 1/4" - 2"



XCP4S

SAE 100R12 **Constant Pressure**

- > 4- or 6-spiral hose
- > Very high-pressure pulsating applications











XCP5S

SAE 100R13 **Constant Pressure**

- > 4- or 6-spiral hose
- > Very high-pressure applications subject to surges or flexing











XCP6S

SAE 100R15 Constant Pressure

- > 4- or 6-spiral hose
- > Very high-pressure applications subject to surges or flexing









ID 3/8" - 2"



Prospector™ **Hot Oiler**

Static Pressure

> Made to initiate the flow of hot oil and bring it to the surface



ID 1 ½"



Hydraulic Hose Line



CONSTANT PRESSURE

BRAIDED



SCP3 **SAE 100R17**

tight bends

> 1- or 2-braid hose > High-pressure applications with



ID 1/4" - 1"



XCP3 **SAE 100R17**

> 1- or 2-braid hose > High-pressure applications

requiring superior abrasion-resistance



ID 1/4" - 1"



Armorcoat™ ACP3

SAE 100R17

> High-pressure applications requiring superior abrasion-resistance





ID 1/4" - 1"



XCP4 SAE 100R19 ISO 11237

- > High-pressure applications
- > Excellent impulse performance





ID 1/4" - 3/4"



Armorcoat™

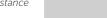
SAE 100R19

> High-pressure applications requiring superior abrasion-resistance





ID 1/4" - 3/4"





XCP3S

SAE 100R12 Constant Pressure

- > 4- or 6-spiral hose
- > Very high-pressure applications







ID 1 ¼" - 2"



XCP4S SAE 100R12

Constant Pressure

- > 4- or 6-spiral hose > Very high-pressure
- pulsating applications











XCP5S

SAE 100R13 Constant Pressure

- > 4- or 6-spiral hose
- > Very high-pressure applications subject to surges or flexing









ID 3/8" - 2"



XCP6S

SPIRAL

SAE 100R15 Constant Pressure

- > 4- or 6-spiral hose
- > Very high-pressure applications subject to surges or flexing









ID 3/8" - 2"



ARMORCOAT™



Armorcoat™ ACP3

SAE 100R17

> High-pressure applications requiring superior abrasion-resistance





ID 1/4" - 1"



Armorcoat™ ACP4 **SAE 100R19**

> High-pressure applications requiring superior

abrasion-resistance







ID 1/4" - 3/4"



Armorcoat™ ARC16SC SAE 100R16

EN 857 2SC

> High-pressure applications with tight bends



ID 1/4" - 1"



Armorcoat™ ARC12 **SAE 100R12**

EN 856 R12

> Very high-pressure applications subject to surges or flexing



ID 3/8" - 2"





ARMORCOAT™



Armorcoat™ ARC13 **SAE 100R13**

- > 4- or 6-spiral hose
- > Very high-pressure applications subject to surges or flexing



ID 3/4" - 2"



Armorcoat™ ARC15 SAE 100R15

> Severe high-pressure and abrasive applications



ID 1/2" - 1"

HIGH TEMP



Desert® DR16SC

- SAE 100R16
- > 2-braid hose > Excellent impulse performance





ID 1/4" - 1"



Desert® DR5 SAE 100R5

- **SAE J1942**
- > Reinforced with 1 braid of textile and 1 braid of steel



ID 3/16" - 1 ¹³/₁₆"

DESERT

HIGH TEMP



Desert® DR1SN SAE 100R1AT EN 856 1SN

- > 1-braid hose
- > Meets higher EN/DIN pressures



ID 1/4" - 2"



Desert® DR2SN SAE 100R2AT EN 853 2SN

- > 2-braid hose
- > Meets higher EN/DIN pressures



ID 1/4" - 2"



Desert® DUT

SAE J1402 Type A1 > Medium-pressure hose for fleet applications



ID 3/16" - 1 1/8"



HR6 SAE 100R6 EN 854 R6

- > Handles high temperatures
- > Made for textile reinforced applications



ID 1/4" - 3/4"



SR14A

SAE 100R14A

- > PTFE line hose for air compressor discharge
- > Chemical-resistant



ID 3/16" - 1"



Prospector™ Hot Oiler

- Static Pressure
- > Made to initiate the flow of hot oil and bring it to the surface





ID 1 ½'



Insta-Grip™ **HT 300**

Push-On

> 300 psi maximum working pressure



ID 1/4" - 3/4"





Arctic® LR2SN SAE 100R2AT EN 856 2SN

- > Made for hydraulic oil lines
- > Handles low temperatures



ID 1/4" - 2"



Arctic® LR16SC SAE 100R16 EN 857 2SC

- > 1-braid hose
- > Meets higher EN/DIN pressures
- > Handles low temperatures



ID 1/4" - 1"

Hydraulic Hose Line

SPECIAL APPLICATION



SGUN

Grease Gun Hose

> Made for general purpose lubrication



ID 3/16"



SHJ

Jack Hose

> Made for highpressure hydraulic jacking systems



ID 1/4" - 3/8"



Saflex® (NSFX)

- > Medium-pressure applications where shock hazards exist
- > Non-conductive



ID 1/4" - 1/2"



SR14A

SAE 100R14A

- > PTFE line hose for air compressor discharge
- > Chemical-resistant



ID 3/16" - 1"



Fire Suppression

- > Medium-pressure applications
- > Made for mining, foresty and firefighting equipment



ID 1/4" - 1"



Prospector™ **BOP 3000**

Blowout Prevention

> Made for hydraulic connections in oil and gas exploration

ID 3/8" - 1"



Prospector™ BOP 5000

Blowout Prevention

> Made for hydraulic connections in oil and gas exploration

ID 3/8" - 2"



Prospector™ **Hot Oiler**

Static Pressure > Made to initiate the flow of hot oil and bring it to the



surface



ID 1 ½"

MILITARY



MIL-DTL-13444H

Type I Military

> Made for hydraulic oil and fuel lines

ID 3/16" - 3/4"



MIL-DTL-13444H

Type III Military

> Made for mediumpressure hydraulic oil and fuel lines

ID 3/16" - 1 1/8"



MIL-DTL-13531

Type II, Class A Military

> Made for mediumand high-pressure hydraulic systems

ID 3/16" - 1"



MIL-DTL-3992

Type I, Class I Military

> Made for lowpressure flexible connections in air brake systems

ID 3/8" - 1/2"

MILITARY



MIL-DTL-8788

Military

> High-pressure applications requiring interoperability

ID 7/32" - 7/8"



PUSH-ON

Insta-Grip™ 300

Push-On

- > 300 psi maximum working pressure
- > Non-conductive



ID 1/4" - 1"



Insta-Grip™ TC

Push-On

> Low-pressure applications

ID 1/4" - 3/4"



Insta-Grip™ **HT300**

Push-On

> 300 psi maximum working pressure



ID 1/4" - 3/4"







FXG Push-On

- 400 psi maximum working pressureNon-conductive



ID 3/16" - 1"

AIR CONDITIONING



Galaxy® 4890 Air Conditioning > For applications

> For applications requiring Cool Clip® or Cool Crimp™ fittings

ID 5/16" - 3/4"



Galaxy® 4826

Air Conditioning

> For applications
requiring Cool Clip®
or Cool Crimp™
fittings

ID 5/16" - 3/4"



Galaxy® 4867
Air Conditioning

> For applications requiring Cool Clip® or Cool Crimp™ fittings

ID 5/16" - 3/4"

THERMO



SR7SAE 100R7 EN 855 R7

> Medium-pressure thermoplastic hose with a perforated cover



ID 1/8" - 1"



SR8

SAE 100R8 EN 855 R8

Thermoplastic hose with a perforated cover

ID 3/16" - 1/2"



NR7

SAE 100R7

> Medium-pressure thermoplastic hose



ID 1/8" - 1"



NR8

SAE 100R8

> High-pressure
thermoplastic
hose



ID 1/4" - 1/2"



TR7

SAE 100R7

> Twin-line

 Medium-pressure thermoplastic hose with a perforated cover

ID 3/16" - 1/2"



TR8

SAE 100R8

> Twin-line
 > Thermoplastic hose with a perforated cover

ID 3/8" - 1/2"



BR7

SAE 100R7

> Twin-line

> Medium-pressure thermoplastic hose



ID 1/4" - 1/2"



SR18

SAE 100R18

> Thermoplastic hose

> Extremely flexible in cold temperatures



ID 1/4" - 1/2"



HR4 SAE 100R4

- > Return or suction line hose
- > Handles high temperature



ID 3/4" - 4"

Fittings, Adapters & Quick Disconnects

ONE SOURCE, MANY SELECTIONS.

We are your one source for a wide selection of high-performance hydraulic hose fittings, covering a wide range of designs, configurations, sizes and pressure ratings.

INDUSTRY-LEADING FITTINGS

Crimped, Field-Grip (Re-attachable), Push-On and Air Conditioning

THREADS THAT MEET EVERY APPLICATION NEED

SAE, NPTF, JIC, British Standard, DIN, JIS and API

HIGH-PERFORMANCE END STYLES

Straights, Swivels, Elbows and Flanges



3 FITTING FAMILIES COVER OUR ENTIRE HIGH PRESSURE HOSE LINEUP

Simplicity. That's the key to having only 3 fitting families that are engineered to fit every single high pressure hose in Continental's lineup. That makes choosing the right one easy for you and your customers. Plus, it saves you money and space because you don't have to carry a big inventory.



Bite-to-Wire Fittings

Continental's crimp fittings provide maximum coupling retention on 1and 2-braid hose as well as 4- and 6-spiral hose. Serrations penetrate the cover with a powerful bite into the wire reinforcement, resulting in even hose compression.

Our B2- and SG-families of 1-pc., no-skive, crimp fittings cover nearly all sizes of wire-braid and wire-spiral reinforced hoses — providing a level of confidence and security when matching the right hose and the right fitting.



BENEFITS & FEATURES



Informative Hose Laylines

We've put vital fitting information on every Continental hose. The new easy-to-read icon clearly identifies the fitting family approved for each hose.

End Style Adapters

Complete line of adapters to change existing end styles to meet your application needs.

Zinc Plating

- Offers corrosion resistance for extended hose assembly and fitting life, easily surpassing the corrosion resistance of SAE J516 and ASTM B117.
- Silver Chromium-6 Free plating on Ultra-Crimp™, Uni-Crimp™ and Dual-Grip fittings.

Full-Length Crimp

Maximum coupling retention for a safe and longerlasting assembly; easier to crimp with a lower profile.

No Skive

Assemblies made faster, with fewer steps and less mess.

QUICK DISCONNECT COUPLINGS







Continental is partnering with a leading innovator in the hose coupling industry – Dixon Quick Coupling, a division of Dixon Valve. This partnership helps us provide you with a broad line of high-quality quick disconnect couplings.

Together, Continental and Dixon will coordinate resources to give you access to industry-leading market knowledge, engineering excellence from state-of-the-art American facilities and superior service.



Fittings Overview























SFFX











OFM



















Female Swivel

OFFX







Female

Swivel

















90° Block Elbow Swivel

OBMX90B

45° Elbow



Code 61 Flange (SAE J518)

Code 61 Flange (SAE J518)



FL22

67° Elbow

Code 61 Flange (SAE J518)

22.5° Elbow



Code 61 Flange (SAE J518)

Code 61 Flange (SAE J518)

Code 61 Flange (SAE J518)

90° Elbow

FL90

30° Elbow



FL45

Code 61 Flange (SAE J518)

Code 61 Flange (SAE J518)

110° Elbow



FL110



FL

60° Elbow

FL60

22.5° Elbow

FL67



FH22



FH30

45° Elbow



FH45



FH60

45° Elbow



FH90

Caterpillar® Flange



CF

Caterpillar® Flange

22.5° Elbow



CF22

Caterpillar® Flange



CF45

Caterpillar® Flange

60° Elbow



CF60

Caterpillar® Flange

Komatsu® Flange

67° Elbow



CF67

Caterpillar® Flange

Komatsu® Flange

90° Elbow



CF90

45° Elbow



IHUF

Komatsu® Flange

90° Elbow



KF90



IHUM

Female Swivel

BPFX



Female 45° Elbow Swivel



BPFX45

KF45



Fittings Overview

BSPP (British Standard Pipe Parallel)

Female 90° Elbow Swivel



B2-BPFX90

DIN 24° Light Female Swivel B2-DLFX

DIN 24° Heavy

Female Swivel



B2-DHFX



Komatsu® 30° Flare with **Metric Threads**

Female 90° Elbow Swivel

B2-KMFX90



BSPP (British Standard Pipe Parallel)

Male



B2-BPM



DIN 24° Heavy

Female 45° Elbow Swivel



B2-DHFX45



Female Swivel



B2-JSFX

Male

B2-BTM

DIN 24° Light Female 90° Elbow Swivel B2-DLFX90

DIN 24° Heavy

Female 90° Elbow Swivel



B2-DHFX90

Komatsu® 30° Flare with **Metric Threads**

Female Swivel



B2-KMFX

Hose Joiner

Female



B2-HJ

BSP Flat Seat (British Standard Pipe)

Female Swivel



B2-BFFX

DIN 24° Light

Male



DIN 24° Heavy

Male



B2-DHM

Komatsu® 30° Flare with **Metric Threads**

Female 45° Elbow Swivel



B2-KMFX45



CrimplQ™ and CrimpCloud™

THE FUTURE OF CRIMPING AT YOUR FINGERTIPS

The new Continental crimper controller is a 21st-century improvement over manual crimping. Precise digital crimping and cloud solutions: a quantum leap in the world of hydraulic and industrial hose. *Discover the next generation of crimper controllers*.

KEY FEATURES

Easy-to-use, 10" high-resolution touchscreen interface gives you access to crimp specs, notes and tutorials at the touch of a button.

Bluetooth 4.0 capability supports wireless calipers and accessories, with 8GB of on-device memory for crimp specs and other applications.

Create support tickets directly from the crimper with screen capture capability and machine status for more responsive help when you need it most.

With full MyCrimp™ crimp specification app integration, you can easily import and store up-to-date crimp specifications with no manual entry required.

Fully connected via Wifi or Ethernet to CrimpCloud™ to keep your die preferences, users and settings information secure and accessible 24/7.

Track machine performance and maintenance schedules, and identify good and bad crimps for superior quality.

Introducing a perpetually evolving technology that allows you to grow and add endless features and solutions.



CONTROL PANEL ICONS



Easy step-by-step crimp operation, supported with always up-to-date crimp specs



Get support within the application (automatically uploads machine status with support request)



Ability to easily favorite up to thousands of crimp specifications, complete with notes for easy reference and accurate crimping



Dynamic machine maintenance tracking, ensuring that crimper maintenance occurs at the proper time



Integrated training and manuals, allowing for easy education



Connection to the cloud, allowing for production-run information and comprehensive backup

Note: Internet connection required to take full advantage of crimper features



Industrial Fluid Solutions

Market segment Hydraulic Hose

Contact

ContiTech 703 S. Cleveland Massillon Road Fairlawn, OH 44333-3023 U.S.A. 1-800-235-4632 www.contitech.us

Your local contact www.contitech.de/contactlocator

Canada 1-888-275-4397

Mexico 1-800-439-7373

ContiTech. Smart Solutions Beyond Rubber

The ContiTech division of the Continental Corporation is one of the world's leading industry specialists. As a technology partner, our name is synonymous with expertise in development and materials for components made of natural rubber and plastics and also in combination with other materials such as metal, fabrics or silicone. By integrating electronic components, we are also generating solutions for the future.

Beyond products, systems and services, we also provide holistic solutions and have a formative influence on the industrial infrastructure. We see digitalization and current trends as an opportunity to work with our customers to add sustainable value - for both sides and for good.



www.pooleyinc.com

1-800-428-2606



